

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE (REV. 7-2005)		ATTORNEY'S DOCKET NUMBER CT/03-012.PCT.US
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) To be Assigned 10/576333
INTERNATIONAL APPLICATION NO. PCT/US2004/035135	INTERNATIONAL FILING DATE 25 October 2004	PRIORITY DATE CLAIMED 24 October 2003
TITLE OF INVENTION SYSTEM FOR DETECTING FLUID CHANGES AND SENSING DEVICES THEREFOR		
APPLICANT(S) FOR DO/EO/US Bouton, et al.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). 11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. <input type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). <p>Items 13 to 23 below concern document(s) or information included:</p> <ol style="list-style-type: none"> 13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. <input type="checkbox"/> A FIRST preliminary amendment. 16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 17. <input type="checkbox"/> A substitute specification. 18. <input type="checkbox"/> A power of attorney and/or change of address letter. 19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4). 22. <input checked="" type="checkbox"/> Express Mail Label No. EV724425905US 		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 107370333 To be Assigned	INTERNATIONAL APPLICATION NO. US2004/035135	ATTORNEY'S DOCKET NUMBER CT/03-012.PCT.US
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23. Other items or information:
Customer Number and Correspondence Transmittal Form

The following fees have been submitted:	CALCULATIONS	PTO USE												
24. <input checked="" type="checkbox"/> Basic national fee \$300	\$ 300.00													
25. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) . . . \$0 All other situations \$200	\$ 200.00													
26. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4) . . . \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the as an International Searching Authority \$100 International Search Report prepared by an ISA other than the US and provided to the previously communicated to the US by the IB \$400 All other situations \$500	\$ 100.00													
TOTAL OF 24, 25 and 26 =	\$ 600.00													
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>Total Sheets</th> <th>Extra Sheets</th> <th>Number of each additional 50 or fraction thereof (round up to a whole)</th> <th>RATE</th> </tr> <tr> <td>47 - 100 =</td> <td>0 /50 =</td> <td>0</td> <td>x \$250.00</td> </tr> </table>	Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE	47 - 100 =	0 /50 =	0	x \$250.00	\$ 0.00					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE											
47 - 100 =	0 /50 =	0	x \$250.00											
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).														
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> </tr> <tr> <td>Total claims</td> <td>48 - 20 =</td> <td>28</td> <td>x \$50.00</td> </tr> <tr> <td>Independent claims</td> <td>6 - 3 =</td> <td>3</td> <td>x \$200.00</td> </tr> </table>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	Total claims	48 - 20 =	28	x \$50.00	Independent claims	6 - 3 =	3	x \$200.00	\$ 1,400.00	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE											
Total claims	48 - 20 =	28	x \$50.00											
Independent claims	6 - 3 =	3	x \$200.00											
MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00														
TOTAL OF ABOVE CALCULATIONS =														
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.														
SUBTOTAL =														
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).														
TOTAL NATIONAL FEE =														
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +														
TOTAL FEES ENCLOSED =														
		Amount to be \$												
		Amount to be \$												

10/576333

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 13-2530 in the amount of \$ \$2,680.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-2530. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

James R. Stevenson
MEDRAD, Inc.
One Medrad Drive
Indianola, PA 15051

SIGNATURE

James R. Stevenson

NAME

38,755

REGISTRATION NUMBER

DATE

10/20/2006 APR 2006

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)		Docket No. CT/03-012.PCT.US	
Applicant(s): Bouton, et al.			
Application No. 10/370333 FBA	Filing Date	Examiner TBA	Customer No. 21140
		Group Art Unit TBA	

Invention: **SYSTEM FOR DETECTING FLUID CHANGES AND SENSING DEVICES THEREFOR**

I hereby certify that the following correspondence:

Transmittal Letter to the US Designated/Elected Office including Fee Calculation Sheet (in duplicate), Certificate of Mailing by Express Mail, Executed Declaration, Recordation Sheet & Assignment from the Inventors to Battelle, Recordation Sheet & Assignment from Battelle to MEDRAD, Inc., Information Disclosure Statement & Form 1449 including copies of Cited References, Copy of the published International Application including 8 pages of Drawings
(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

April 18, 2006
(Date)

Susan M. Lloyd
(Typed or Printed Name of Person Mailing Correspondence)

(Signature of Person Mailing Correspondence)
EV724425905US
("Express Mail" Mailing Label Number)

Note: Each paper must have its own certificate of mailing.

10/576333

Docket No.: CT/03-012 PCT US

APR 18 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
)
 Bouton et al.)
) Art Unit: To be Assigned
 Serial No.: Unassigned)
)
 Filed: April 18, 2006)
) Examiner: To be Assigned
 For: SYSTEM FOR DETECTING FLUID)
 CHANGES AND SENSING DEVICES)
 THEREFOR)

CUSTOMER NUMBER AND CORRESPONDENCE ADDRESS

Mail Stop Patent Application
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Please assign the following customer number and correspondence address to the enclosed patent application:

Customer Number: 21140

Correspondence Address: James R. Stevenson
Medrad, Inc.
One Medrad Drive
Indianola, PA 15051

Phone: (412) 767-2400 x3021
Fax: (412) 767-8899

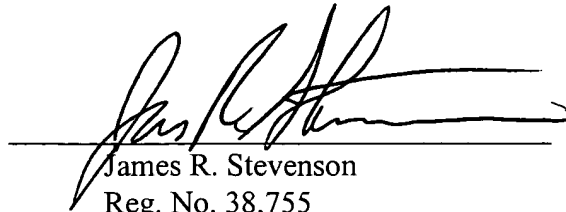
107570333

APR 18 2006

If there are any questions, please do not hesitate to contact the undersigned attorney of record.

Respectfully submitted,

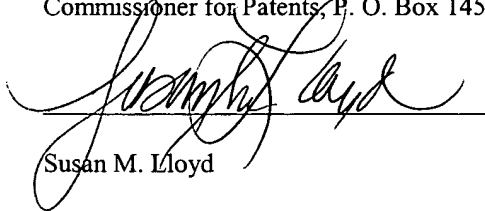
Dated: April 18, 2006



James R. Stevenson
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Medrad, Inc.
One Medrad Drive
Indianola, PA 15051
(412) 767-2400 x3021

CERTIFICATE OF EXPRESS MAILING

Date of Deposit: April 18, 2006. Mailing Label No. EV724425905US I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.



Susan M. Lloyd